McGarry, Sean

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305-7028

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L6 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2003 ACS
AN 1999:6597 CAPLUS
DN 130:232278
TI Angiotensin converting enzyme inhibition reduces the expression of transforming growth factor-.beta.1 and type IV collagen in diabetic vasculopathy
AU Rumble, Jonathan R.; Gilbert, Richard E.; Cox, Alison; Wu, Leonard; Cooper, Mark E.
CS Department of Medicine, Austin & Repatriation Medical Centre, University of Melbourne, Heidelberg, VIC 3081, Australia
SO Journal of Hypertension (1998), 16(11), 1603-1609
CODEN: JOHYD3; ISSN: 0263-6352
PB Lippincott Williams & Wilkins
DT Journal
LA English
RE.CNT 27

L6 ANSWER 24 OF 40 MEDLINE DUPLICATE 9
AN 1999062262 MEDLINE
DN 99062262 PubMed ID: 9844133
TI Targeting TGF-beta overexpression in renal disease: maximizing the antifibrotic action of angiotensin II blockade.
AU Peters H; Border W A; Noble N A
CS Division of Nephrology, University of Utah School of Medicine, Salt Lake City, Utah, USA.
NC DK 43609 (NIDDK)
DK 49342 (NIDDK)
DK 49374 (NIDDK)
SO KIDNEY INTERNATIONAL, (1998 Nov) 54 (5) 1570-80.
Journal code: 0323470. ISSN: 0085-2538.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199902
ED Entered STN: 19990223
Last Updated on STN: 19990223
Entered Medline: 19990211

L6 ANSWER 25 OF 40 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AN 1998:171204 SCISEARCH
GA The Genuine Article (R) Number: YY259

TI Expression of transforming growth factor-beta 1 and type IV collagen in the renal tubulointerstitium in experimental diabetes - Effects of ACE inhibition
AU Gilbert R E (Reprint); Cox A; Wu L L; Allen T J; Hulthen U L; Jerums G; Cooper M E
CS UNIV MELBOURNE, ENDOCRINOL UNIT, AUSTIN & REPATRIAT MED CTR, DEPT MED, AUSTIN CAMPUS, STUDLEY RD, HEIDELBERG, VIC 3084, AUSTRALIA (Reprint)
CYA AUSTRALIA
SO DIABETES, (MAR 1998) Vol. 47, No. 3, pp. 414-422.
Publisher: AMER DIABETES ASSOC, 1660 DUKE ST, ALEXANDRIA, VA 22314.
ISSN: 0012-1797.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 51
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L6 ANSWER 26 OF 40 MEDLINE DUPLICATE 10
AN 1998184615 MEDLINE
DN 98184615 PubMed ID: 9525702
TI Link between angiotensin II and TGF-beta in the kidney.
AU Wolf G
CS Department of Medicine, University of Hamburg, Germany..
wolf@uke.uni-hamburg.de
SO MINERAL AND ELECTROLYTE METABOLISM, (1998) 24 (2-3) 174-80. Ref: 56
Journal code: 7802196. ISSN: 0378-0392.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199805
ED Entered STN: 19980514
Last Updated on STN: 19980514
Entered Medline: 19980501

L6 ANSWER 35 OF 40 MEDLINE DUPLICATE 14
AN 96163237 MEDLINE
DN 96163237 PubMed ID: 8587237
TI ACE inhibition reduces proteinuria, glomerular lesions and extracellular matrix production in a normotensive rat model of immune complex nephritis.
AU Ruiz-Ortega M; Gonzalez S; Seron D; Condom E; Bustos C; Largo R; Gonzalez E; Ortiz A; Egido J
CS Renal Unit, Fundacion Jimenez Diaz, Universidad Autonoma, Madrid, Spain.
SO KIDNEY INTERNATIONAL, (1995 Dec) 48 (6) 1778-91.
Journal code: 0323470. ISSN: 0085-2538.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199603
ED Entered STN: 19960404
Last Updated on STN: 19960404
Entered Medline: 19960327

ANSWER 36 OF 37 CAPLUS COPYRIGHT 2003 ACS
AN 1991:507031 CAPLUS
DN 115:107031
TI Transforming growth factor-.beta.1 up-regulates type IV collagenase

expression in cultured human keratinocytes
AU Salo, Tuula; Lyons, J. Guy; Rahemtulla, Firoz; Birkedal-Hansen, Henning; Larjava, Hannu
CS Dep. Oral Surg., Univ. Oulu, Oulu, SF-90220, Finland
SO Journal of Biological Chemistry (1991), 266(18), 11436-41
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L9 ANSWER 31 OF 37 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V.
AN 1993:23273871 BIOTECHNO
TI Interleukin-1.beta. and transforming growth factor-.alpha./epidermal growth factor induce expression of M(r) 95,000 type IV collagenase/gelatinase and interstitial fibroblast-type collagenase by rat mucosal keratinocytes
AU Lyons J.G.; Birkedal-Hansen B.; Pierson M.C.; Whitelock J.M.; Birkedal-Hansen H.
CS Dept. of Oral Biology, Univ. of Alabama School of Dentistry, SDB Box 54,Birmingham, AL 35294, United States.
SO Journal of Biological Chemistry, (1993), 268/25 (19143-19151)
CODEN: JBCHA3 ISSN: 0021-9258
DT Journal; Article
CY United States
LA English
SL English

L9 ANSWER 23 OF 37 MEDLINE DUPLICATE 10
AN 96130535 MEDLINE
DN 96130535 PubMed ID: 8544402
TI Induction of plasminogen activator inhibitor type 1 in murine lupus-like glomerulonephritis.
AU Moll S; Menoud P A; Fulpius T; Pastore Y; Takahashi S; Fossati L; Vassalli J D; Sappino A P; Schifferli J A; Izui S
CS Department of Pathology, University of Geneva Medical School, Switzerland.
SO KIDNEY INTERNATIONAL, (1995 Nov) 48 (5) 1459-68.
Journal code: 0323470. ISSN: 0085-2538.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199602
ED Entered STN: 19960227
Last Updated on STN: 19960227
Entered Medline: 19960214

L9 ANSWER 20 OF 37 MEDLINE DUPLICATE 8
AN 97081970 MEDLINE
DN 97081970 PubMed ID: 8923213
TI Increased expression of extracellular matrix proteins and decreased expression of matrix proteases after serial passage of glomerular mesangial cells.
AU Schnaper H W; Kopp J B; Poncelet A C; Hubchak S C; Stetler-Stevenson W G; Klotman P E; Kleinman H K
CS Department of Pediatrics, Northwestern University Medical School, Chicago, IL 60611-3008, USA.
NC R01-DK49362 (NIDDK)
SO JOURNAL OF CELL SCIENCE, (1996 Oct) 109 (Pt 10) 2521-8.
Journal code: 0052457. ISSN: 0021-9533.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199705

ED Entered STN: 19970523
Last Updated on STN: 19980206
Entered Medline: 19970515

ANSWER 6 OF 9 MEDLINE
AN 1998324083 MEDLINE
DN 98324083 PubMed ID: 9659898
TI 14-3-3 sigma is a p53-regulated inhibitor of G2/M progression.
AU Hermeking H; Lengauer C; Polyak K; He T C; Zhang L; Thiagalingam S; Kinzler K W; Vogelstein B
CS Johns Hopkins Oncology Center, Baltimore, Maryland, USA.
NC CA 43460 (NCI)
CA 57345 (NCI)
SO MOLECULAR CELL, (1997 Dec) 1 (1) 3-11.
Journal code: 9802571. ISSN: 1097-2765.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF029081; GENBANK-AF029082
EM 199807
ED Entered STN: 19980811
Last Updated on STN: 19980811
Entered Medline: 19980724

L2 ANSWER 7 OF 9 MEDLINE DUPLICATE 3
AN 96394689 MEDLINE
DN 96394689 PubMed ID: 8798343
TI Molecular evolution of the 14-3-3 protein family.
AU Wang W; Shakes D C
CS Department of Biology, University of Houston, Houston, TX 77204-5513, USA.
SO JOURNAL OF MOLECULAR EVOLUTION, (1996 Oct) 43 (4) 384-98.
Journal code: 0360051. ISSN: 0022-2844.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 199702
ED Entered STN: 19970227
Last Updated on STN: 19970227
Entered Medline: 19970211

L2 ANSWER 9 OF 9 MEDLINE DUPLICATE 4
AN 93002614 MEDLINE
DN 93002614 PubMed ID: 1390337
TI Complementary DNA cloning of a novel epithelial cell marker protein, HME1, that may be down-regulated in neoplastic mammary cells.
AU Prasad G L; Valverius E M; McDuffie E; Cooper H L
CS Cell and Molecular Physiology Section, National Cancer Institute, Bethesda, Maryland 20892.
SO CELL GROWTH AND DIFFERENTIATION, (1992 Aug) 3 (8) 507-13.
Journal code: 9100024. ISSN: 1044-9523.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-L04285; GENBANK-M93010; GENBANK-S47136; GENBANK-S47137; GENBANK-S47164; GENBANK-S47165; GENBANK-S47166; GENBANK-S47167; GENBANK-S47168; GENBANK-S72771
EM 199211
ED Entered STN: 19930122
Last Updated on STN: 19980206
Entered Medline: 19921113

L6 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 2001:631951 CAPLUS
DN 135:191265
TI Method of immortalization of human keratinocytes by down-regulation of 14-3-3 sigma expression
IN De Luca, Michele; Dellambra, Elena
PA Provincia Italiana Della Congregazio Ne Dei Figli Dell'immacolata Concene-Instituto Dermopatico Dell'immacolata, Italy
SO Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1127942	A1	20010829	EP 2001-830116	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2001018213	A1	20010830	US 2001-790808	20010223

PRAI IT 2000-RM95 A 20000225
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 33 MEDLINE DUPLICATE 11
AN 2001226831 MEDLINE
DN 21143383 PubMed ID: 11149942
TI Regulation of starch accumulation by granule-associated plant 14 -3-3 proteins.
AU Sehnke P C; Chung H J; Wu K; Ferl R J
CS Program in Plant Molecular and Cellular Biology, Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611, USA..
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Jan 16) 98 (2) 765-70.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200104
ED Entered STN: 20010502
Last Updated on STN: 20030105
Entered Medline: 20010426

L6 ANSWER 21 OF 33 MEDLINE
AN 2000293208 MEDLINE
DN 20293208 PubMed ID: 10831615
TI Downregulation of 14-3-3sigma prevents clonal evolution and leads to immortalization of primary human keratinocytes.
AU Dellambra E; Golisano O; Bondanza S; Siviero E; Lacal P; Molinari M; D'Atri S; De Luca M
CS Laboratory of Tissue Engineering, IDI, Istituto Dermopatico dell'Immacolata, 00040 Rome, Italy.
SO JOURNAL OF CELL BIOLOGY, (2000 May 29) 149 (5) 1117-30.
Journal code: 0375356. ISSN: 0021-9525.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 200007
ED Entered STN: 20000714
Last Updated on STN: 20000714
Entered Medline: 20000706

L6 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1999:405087 CAPLUS
DN 131:57413
TI Protein 14-3-3.sigma. arrest of the cell
cycle provides the basis for diagnostic assays and therapeutic
compositions
IN Hermeking, Heiko; Vogelstein, Bert; Kinzler, Kenneth W.
PA The Johns Hopkins Univ., USA
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9931240	A2	19990624	WO 1998-US26924	19981218
WO 9931240	A3	19990902		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6335156	B1	20020101	US 1998-210748	19981215
CA 2315279	AA	19990624	CA 1998-2315279	19981218
AU 9918314	A1	19990705	AU 1999-18314	19981218
AU 744193	B2	20020221		
EP 1037987	A2	20000927	EP 1998-963256	19981218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 2002102245	A1	20020801	US 2001-939581	20010828

PRAI US 1997-69416P P 19971218
US 1998-210748 A 19981215
WO 1998-US26924 W 19981218

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NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
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NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA
NEWS 41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation

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               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> s HMe1
L1          13 HME1

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2           9 DUP REM L1 (4 DUPLICATES REMOVED)

=> s l2 and antisense
L3           1 L2 AND ANTISENSE

=> d

L3   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:631951  CAPLUS
DN   135:191265
TI   Method of immortalization of human keratinocytes by down-regulation of
     14-3-3 sigma expression
IN   De Luca, Michele; Dellambra, Elena
PA   Provincia Italiana Della Congregazio Ne Dei Figli Dell'immacolata
     Concene-Instituto Dermopatico Dell'immacolata, Italy
SO   Eur. Pat. Appl., 8 pp.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   EP 1127942         A1   20010829       EP 2001-830116   20010221
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
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     US 2001018213      A1   20010830       US 2001-790808   20010223
PRAI IT 2000-RM95       A    20000225
RE.CNT  4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d 1-9 ti l2

L2   ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI   Membrane penetrating peptides derived from nuclear localization sequence
     and uses as intracellular delivery devices for compound of interest

L2   ANSWER 2 OF 9     MEDLINE                              DUPLICATE 1
TI   Caveolin-1 mutations (P132L and null) and the pathogenesis of breast
     cancer: caveolin-1 (P132L) behaves in a dominant-negative manner and
     caveolin-1 (-/-) null mice show mammary epithelial cell hyperplasia.

L2   ANSWER 3 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI   Magnetic-field and temperature dependence of the critical current in thin
     epitaxial films of the high-temperature superconductor YBa2Cu3O7-.delta.

L2   ANSWER 4 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI   Method of immortalization of human keratinocytes by down-regulation of
     14-3-3 sigma expression

L2   ANSWER 5 OF 9     MEDLINE                              DUPLICATE 2
TI   Prolactin negatively regulates caveolin-1 gene expression in the mammary
     gland during lactation, via a Ras-dependent mechanism.

L2   ANSWER 6 OF 9     MEDLINE
TI   14-3-3 sigma is a p53-regulated inhibitor of G2/M progression.

L2   ANSWER 7 OF 9     MEDLINE                              DUPLICATE 3
TI   Molecular evolution of the 14-3-3 protein family.

L2   ANSWER 8 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI   Epithelial cell-specific differentiation marker and a cDNA encoding it and
     its behavior in normal and abnormal development

L2   ANSWER 9 OF 9     MEDLINE                              DUPLICATE 4
TI   Complementary DNA cloning of a novel epithelial cell marker protein,
     HME1, that may be down-regulated in neoplastic mammary cells.


=> d 6 7 9 ab
      1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d 6 7 9 ab l2

L2   ANSWER 6 OF 9     MEDLINE
AB   Exposure of colorectal cancer (CRC) cells to ionizing radiation results in
     a cell-cycle arrest in G1 and G2.  The G1 arrest is due to p53-mediated
     induction of the cyclin-dependent kinase inhibitor p21WAF1/CIP1/SDI1, but
     the basis for the G2 arrest is unknown.  Through a quantitative analysis
     of gene expression patterns in CRC cell lines, we have discovered that
     14-3-3 sigma is strongly induced by gamma irradiation and other
     DNA-damaging agents.  The induction of 14-3-3 sigma is mediated by a
     p53-responsive element located 1.8 kb upstream of its transcription start
     site.  Exogenous introduction of 14-3-3 sigma into cycling cells results
     in a G2 arrest.  As the fission yeast 14-3-3 homologs rad24 and rad25
     mediate similar checkpoint effects, these results document a molecular
     mechanism for G2/M control that is conserved throughout eukaryotic
```

evolution and regulated in human cells by p53.

L2 ANSWER 7 OF 9 MEDLINE DUPLICATE 3
AB Members of the highly conserved and ubiquitous 14-3-3 protein family modulate a wide variety of cellular processes. To determine the evolutionary relationships among specific 14-3-3 proteins in different plant, animal, and fungal species and to initiate a predictive analysis of isoform-specific differences in light of the latest functional and structural studies of 14-3-3, multiple alignments were constructed from forty-six 14-3-3 sequences retrieved from the GenBank and SwissProt databases and a newly identified second 14-3-3 gene from Caenorhabditis elegans. The alignment revealed five highly conserved sequence blocks. Blocks 2-5 correlate well with the alpha helices 3, 5, 7, and 9 which form the proposed internal binding domain in the three-dimensional structure model of the functioning dimer. Amino acid differences within the functional and structural domains of plant and animal 14-3-3 proteins were identified which may account for functional diversity amongst isoforms. Protein phylogenic trees were constructed using both the maximum parsimony and neighbor joining methods of the PHYLIP(3.5c) package; 14-3-3 proteins from Entamoeba histolytica, an amitochondrial protozoa, were employed as an outgroup in our analysis. Epsilon isoforms from the animal lineage form a distinct grouping in both trees, which suggests an early divergence from the other animal isoforms. Epsilons were found to be more similar to yeast and plant isoforms than other animal isoforms at numerous amino acid positions, and thus epsilon may have retained functional characteristics of the ancestral protein. The known invertebrate proteins group with the nonepsilon mammalian isoforms. Most of the current 14-3-3 isoform diversity probably arose through independent duplication events after the divergence of the major eukaryotic kingdoms. Divergence of the seven mammalian isoforms beta, zeta, gamma, eta, epsilon, tau, and sigma (stratifin/**HME1**) occurred before the divergence of mammalian and perhaps before the divergence of vertebrate species. A possible ancestral 14-3-3 sequence is proposed.

L2 ANSWER 9 OF 9 MEDLINE DUPLICATE 4
AB A full-length complementary DNA clone from a normal human mammary epithelial cell (strain 184) encoding a 25-kilodalton protein, **HME1**, was isolated. Expression of **HME1** RNA appears to be limited to epithelial cells. The **HME1** sequence has extensive sequence homology with bovine 14-3-3 protein, which is an activator of tyrosine and tryptophan hydroxylase. However, the tissue distribution, arrangement of charged amino acids, and location of potential phosphorylation sites of **HME1** differ from those of 14-3-3. Compared with normal mammary epithelial cells, expression of **HME1** RNA was dramatically low in two cell lines derived from human mammary carcinoma that were examined, and in a line of normal mammary epithelial cells transformed by oncogenes. **HME1** therefore appears to be a cellular differentiation marker that may be down-regulated during neoplastic transformation.

=> d 6 7 9 12

L2 ANSWER 6 OF 9 MEDLINE
AN 1998324083 MEDLINE
DN 98324083 PubMed ID: 9659898
TI 14-3-3 sigma is a p53-regulated inhibitor of G2/M progression.
AU Hermeking H; Lengauer C; Polyak K; He T C; Zhang L; Thiagalingam S; Kinzler K W; Vogelstein B
CS Johns Hopkins Oncology Center, Baltimore, Maryland, USA.
NC CA 43460 (NCI)
CA 57345 (NCI)
SO MOLECULAR CELL, (1997 Dec) 1 (1) 3-11.
Journal code: 9802571. ISSN: 1097-2765.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF029081; GENBANK-AF029082
EM 199807
ED Entered STN: 19980811
Last Updated on STN: 19980811
Entered Medline: 19980724

L2 ANSWER 7 OF 9 MEDLINE DUPLICATE 3
AN 96394689 MEDLINE
DN 96394689 PubMed ID: 8798343
TI Molecular evolution of the 14-3-3 protein family.
AU Wang W; Shakes D C
CS Department of Biology, University of Houston, Houston, TX 77204-5513, USA.
SO JOURNAL OF MOLECULAR EVOLUTION, (1996 Oct) 43 (4) 384-98.
Journal code: 0360051. ISSN: 0022-2844.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 199702
ED Entered STN: 19970227
Last Updated on STN: 19970227
Entered Medline: 19970211

L2 ANSWER 9 OF 9 MEDLINE DUPLICATE 4
AN 93002614 MEDLINE
DN 93002614 PubMed ID: 1390337
TI Complementary DNA cloning of a novel epithelial cell marker protein, **HME1**, that may be down-regulated in neoplastic mammary cells.
AU Prasad G L; Valverius E M; McDuffie E; Cooper H L
CS Cell and Molecular Physiology Section, National Cancer Institute, Bethesda, Maryland 20892.
SO CELL GROWTH AND DIFFERENTIATION, (1992 Aug) 3 (8) 507-13.
Journal code: 9100024. ISSN: 1044-9523.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-L04285; GENBANK-M93010; GENBANK-S47136; GENBANK-S47137; GENBANK-S47164; GENBANK-S47165; GENBANK-S47166; GENBANK-S47167; GENBANK-S47168; GENBANK-S72771
EM 199211
ED Entered STN: 19930122
Last Updated on STN: 19980206
Entered Medline: 19921113

=> d his

(FILE 'HOME' ENTERED AT 12:49:29 ON 20 MAY 2003)

FILE 'MEDLINE, CAPLUS' ENTERED AT 12:49:55 ON 20 MAY 2003
L1 13 S HME1
L2 9 DUP REM L1 (4 DUPLICATES REMOVED)
L3 1 S L2 AND ANTISENSE

=> s 14-3-3
L4 2477 14-3-3

=> s l4 and antisense
L5 47 L4 AND ANTISENSE

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 33 DUP REM L5 (14 DUPLICATES REMOVED)

=> d 1-33 ti

L6 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Patterns of gene expression in Peyer's patches and M cell and the development of methods for targeting gene delivery using receptors present on these cells

L6 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Compositions and methods for inhibiting human immunodeficiency virus infection by down-regulating human cellular genes, and inhibitor identification methods

L6 ANSWER 3 OF 33 MEDLINE DUPLICATE 1
TI Manganese superoxide dismutase-mediated gene expression in radiation-induced adaptive responses.

L6 ANSWER 4 OF 33 MEDLINE DUPLICATE 2
TI ADP ribosylation factor regulates metabolism and antioxidant capacity of transgenic potato tubers.

L6 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Preventives or remedies for endoplasmic reticulum stress-associated diseases

L6 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI cDNA and protein sequences of human and mouse neuroprotein neurotrolin and their used in drug screening, diagnosis and treatment of Isaasa syndrome

L6 ANSWER 7 OF 33 MEDLINE DUPLICATE 3
TI Efp targets **14-3-3** sigma for proteolysis and promotes breast tumour growth.

L6 ANSWER 8 OF 33 MEDLINE DUPLICATE 4
TI Glycosylated phosducin-like protein long regulates opioid receptor function in mouse brain.

L6 ANSWER 9 OF 33 MEDLINE DUPLICATE 5
TI Nitrite accumulation and nitric oxide emission in relation to cellular signaling in nitrite reductase **antisense** tobacco.

L6 ANSWER 10 OF 33 MEDLINE DUPLICATE 6
TI Chk1 signaling pathways that mediated G(2)M checkpoint in relation to the cellular resistance to the novel topoisomerase I poison BNP1350.

L6 ANSWER 11 OF 33 MEDLINE DUPLICATE 7
TI An ankyrin repeat-containing protein plays a role in both disease resistance and antioxidation metabolism.

L6 ANSWER 12 OF 33 MEDLINE DUPLICATE 8
TI Quantitative and qualitative analysis of lipids in genetically modified potato tubers with varying rates of **14-3-3** protein synthesis.

L6 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Efp as a new molecular target for breast cancer therapy

L6 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Transgenic plants with enhanced ability to produce starch by transforming **antisense 14-3-3** gene and

knocking-out the gene

L6 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Protein and cDNA sequence of Physcomitrella patens signal transduction stress-related proteins and uses in plants for increased tolerance to environmental stresses

L6 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Nucleic acids and proteins associated with cancer as antitumor targets

L6 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Method of immortalization of human keratinocytes by down-regulation of **14**-**3**-**3** sigma expression

L6 ANSWER 18 OF 33 MEDLINE DUPLICATE 9
TI Pharmacological inhibitors of the mitogen-activated protein kinase (MAPK) kinase/MAPK cascade interact synergistically with UCN-01 to induce mitochondrial dysfunction and apoptosis in human leukemia cells.

L6 ANSWER 19 OF 33 MEDLINE DUPLICATE 10
TI Proteome alterations in human hepatoma cells transfected with **antisense** epidermal growth factor receptor sequence.

L6 ANSWER 20 OF 33 MEDLINE DUPLICATE 11
TI Regulation of starch accumulation by granule-associated plant **14** -**3**-**3** proteins.

L6 ANSWER 21 OF 33 MEDLINE
TI Downregulation of 14-3-3sigma prevents clonal evolution and leads to immortalization of primary human keratinocytes.

L6 ANSWER 22 OF 33 MEDLINE DUPLICATE 12
TI Characterization of a novel transcript of **14**-**3**-**3** theta in Sertoli cells.

L6 ANSWER 23 OF 33 MEDLINE DUPLICATE 13
TI Modulation of the Ca(2+)-activated Cl(-) channel by 14-3-3epsilon.

L6 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Overexpression of **14**-**3**-**3**.beta. gene and its role in aflatoxin B1-induced hepatocellular carcinoma cells

L6 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Fatty acid elongase gene expression in guard cells regulates stomatal number

L6 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Human LYST protein complexes and LYST-interacting proteins and their diagnostic and therapeutic applications

L6 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Identification of loci involved in accelerated wound healing and the development of new wound healing promoters

L6 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Protein **14**-**3**-**3**.sigma. arrest of the cell cycle provides the basis for diagnostic assays and therapeutic compositions

L6 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Identification of tumor-associated alleles of genes essential for cell viability and growth and the development of neoplasm inhibitors targeted against them

L6 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI Diabetes-mediating proteins and their therapeutic uses

L6 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI The expression of **14-3-3** isoforms in potato
is developmentally regulated

L6 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2003 ACS
TI ADP-ribosylation factor (ARF) regulates cAMP synthesis in potato

L6 ANSWER 33 OF 33 MEDLINE DUPLICATE 14
TI Isolation and expression of an Arabidopsis **14-3-**
3-like protein gene.

=> d 14 17 20 21 28

L6 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 2001:851410 CAPLUS
DN 136:1628
TI Transgenic plants with enhanced ability to produce starch by transforming
antisense 14-3-3 gene and
knocking-out the gene
IN Ferl, Robert J.; Sehnke, Paul C.; Chung, Hwa Jee; Wu, Ke; Hannah, Curtis
L.
PA University of Florida, USA
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001088170	A2	20011122	WO 2001-US15841	20010517
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002062497	A1	20020523	US 2001-859822	20010517
PRAI US 2000-204746P	P	20000517		

L6 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 2001:631951 CAPLUS
DN 135:191265
TI Method of immortalization of human keratinocytes by down-regulation of
14-3-3 sigma expression
IN De Luca, Michele; Dellambra, Elena
PA Provincia Italiana Della Congregazio Ne Dei Figli Dell'immacolata
Concene-Instituto Dermopatico Dell'immacolata, Italy
SO Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1127942	A1	20010829	EP 2001-830116	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

US 2001018213 A1 20010830 US 2001-790808 20010223
PRAI IT 2000-RM95 A 20000225
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 33 MEDLINE DUPLICATE 11
AN 2001226831 MEDLINE
DN 21143383 PubMed ID: 11149942
TI Regulation of starch accumulation by granule-associated plant **14**
-3-3 proteins.
AU Sehnke P C; Chung H J; Wu K; Ferl R J
CS Program in Plant Molecular and Cellular Biology, Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611, USA..
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Jan 16) 98 (2) 765-70.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200104
ED Entered STN: 20010502
Last Updated on STN: 20030105
Entered Medline: 20010426

L6 ANSWER 21 OF 33 MEDLINE
AN 2000293208 MEDLINE
DN 20293208 PubMed ID: 10831615
TI Downregulation of 14-3-3sigma prevents clonal evolution and leads to immortalization of primary human keratinocytes.
AU Dellambra E; Golisano O; Bondanza S; Siviero E; Lacal P; Molinari M; D'Atri S; De Luca M
CS Laboratory of Tissue Engineering, IDI, Istituto Dermopatico dell'Immacolata, 00040 Rome, Italy.
SO JOURNAL OF CELL BIOLOGY, (2000 May 29) 149 (5) 1117-30.
Journal code: 0375356. ISSN: 0021-9525.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200007
ED Entered STN: 20000714
Last Updated on STN: 20000714
Entered Medline: 20000706

L6 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1999:405087 CAPLUS
DN 131:57413
TI Protein **14**-**3**-**3**.sigma. arrest of the cell cycle provides the basis for diagnostic assays and therapeutic compositions
IN Hermeking, Heiko; Vogelstein, Bert; Kinzler, Kenneth W.
PA The Johns Hopkins Univ., USA
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9931240	A2	19990624	WO 1998-US26924	19981218
	WO 9931240	A3	19990902		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,

DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US	6335156	B1	20020101	US	1998-210748	19981215
CA	2315279	AA	19990624	CA	1998-2315279	19981218
AU	9918314	A1	19990705	AU	1999-18314	19981218
AU	744193	B2	20020221			
EP	1037987	A2	20000927	EP	1998-963256	19981218

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

US	2002102245	A1	20020801	US	2001-939581	20010828
PRAI US	1997-69416P	P	19971218			
US	1998-210748	A	19981215			
WO	1998-US26924	W	19981218			